

APPLICATION FOR PERMIT PROCESSING

Permit Change <input checked="" type="checkbox"/>	New Permit <input type="checkbox"/>	Renewal <input type="checkbox"/>	Transfer <input type="checkbox"/>	Exploration <input type="checkbox"/>	Bond Release <input type="checkbox"/>	Permit Number: ACT/015/032
Title of Proposal: C16-003 NOV #21175						Mine: Crandall Canyon Mine
						Permittee: Genwal Resources, Inc.

Description, include reason for application and timing required to implement

Added text to chapter 5 of MRP to include the fence that has become needed for security purposes due to temporary cessation at Crandall Canyon Mine.

Instructions: If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation

<input type="checkbox"/> Yes	<input type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO # _____
<input type="checkbox"/> Yes	<input type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV #21175
<input type="checkbox"/> Yes	<input type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: _____
<input type="checkbox"/> Yes	<input type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

X Attach 1 complete digital copy of the application and maps.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Karin Madsen - Engineering Tech - 5.3.16
Signed - Name - Position - Date

Subscribed and sworn to before me this 3rd day of May, 192016

Linda Kerns
Notary Public
My Commission Expires: 03/27/17
Attest: STATE OF Utah
COUNTY OF Carbon



Received by Oil, Gas & Mining

ASSIGNED TRACKING NUMBER

Detailed Schedule of Changes to the MRP

Permittee: Genwal Resources, Inc.

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

[illegible]

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

Direct Costs

Subtotal Demolition and Removal	\$755,541
Subtotal Backfilling and Grading	\$446,357
Subtotal Revegetation	\$134,427
Subtotal Direct Costs	<u>\$1,336,324</u>

Indirect Costs

Mob/Demob	\$133,632	10.0%
Contingency	\$66,816	5.0%
Engineering Redesign	\$33,408	2.5%
Main Office Expense	\$90,870	6.8%
Project Management Fee	\$33,408	2.5%
Subtotal Indirect Costs	<u>\$358,135</u>	26.8%

Subtotal \$1,694,459

Total \$1,694,459

Escalation Factor 0.012
Number of years 5
Escalation \$101,668

Total \$1,796,127

Reclamation Cost 2020 \$1,796,127

Bond Amount (rounded to nearest \$1,00) \$1,796,000

Cost factors

Means Number	Material	Unit Cost	Units
Concret Demo1	Concrete Demolition	11.72	CY
31 23 16.42 1300	Front End Loader 3 CY	1.67	CY
31 23 23.20 1025	12 CY (16 ton) Dump Truck 5 mi. rod.trip	10.54	CY
City Sanitation Price	City Sanitation	3.25	CY
02 41 16.13 0020	Steel bld. Large	0.28	CF
02 41 13.80 0100	Utility Pole	203.52	EA
02 41 13.30 0800	Guard Rail	12.30	LF
02 41 13.30 0860	Guard Post	12.78	EA
02 41 13.60 1700	Chain link, posts & fabric remove only	3.05	LF
23 05 05.10 3600	Mechanical equipment heavy	780.00	Ton
31 23 16.42 0260	Backhoe, hydraulic Bulk Bank Measure	1.43	CY
02 65 10.30 1029	9000 gal to 12000 gal tank	1050.00	EA
02 65 10.30 0130	9000 gal to 12000 gal tank	1320.00	EA
Nielson Con	Nielson Construction	7.64	Ton
31 23 23.20 1025	12 CY (16 ton) Dump Truck 1/2 mi. rod.trip	10.54	CY
02 41 16.17 4200	On Site Disposal	9.04	CY
02 41 13.56 1900	Wire Removal	5.46	LF
26 05 05.10 1900	Wire Removal	19.60	LF
26 05 05.10 0160	Conduit	5.45	LF
22 05 05.10 1140	Fixtures	94.00	EA
02 41 16.13 0080	Masonry bld. Large	0.30	CF
JennChem	Seal Portals	4320.00	EA
02 41 16.13 0100	Mixture of types, average	0.30	CF
	Plug Well	170.00	CY
02 41 16.13 0050	Concrete bld. Large	0.40	CF
31 23 16.42 0260	Backhoe, hydraulic Bulk Bank Measure	1.43	CY
02 41 13.17 5010	Pavement Removal, Bituminous 3"	4.67	SY
31 25 14.16 1000	Silt Fence	1.61	LF
31 37 13.10 0370	Riprap Dumped 300 lb. average	29.99	Ton
32 92 43.10 0560	Bare root seedinings 11" to 16" med. Soil	1.14	EA
32 92 19.14 0200	Hydro Spreader (equip. & labor)	41.39	MSF
Crandall 15321	Seed Non Riparian Area	342.84	\$/Ac
32 92 19.14 0200	Hydro Spreader (equip. & labor)	41.39	MSF
32 91 13.16 0250	Hay 1" Material Only	61.27	MSF
Crandall 15322	Transplant Non Riparian	165.00	\$/Ac
Crandall 15323	Transplant North Slope	1895.00	\$/Ac
Crandall 15324	Seed Riparian Area	246.34	\$/Ac
Crandall 15325	Transplant Riparian	639.00	\$/Ac
01 54 33.20 4360	D9R Semi-U EROPS (9-52) (2H2077)	132.60	
01 54 33 4360	Hourly Cost		
01 54 33.20 4870	988G II ((6-13) 1H2008) 2005	165.55	
01 54 33 4870	Hourly Cost		
01 54 33.20 5600	769D (21-11) (2nd2007)	82.50	
01 54 33 5600	Hourly Cost		

01 54 33.20 0320	CAT 385B	102.55
01 54 33 0320	Hourly Cost	
01 54 33.20 5300	Dump Truck	61.00
01 54 33 5300	Hourly Cost	
04 54 33.20 0470	446D Backhoe Loaders	40.95
01 54 33 0470	Hourly Cost	
01 54 33.40 6950	6,000 Gal H2O Truck Diesel (2nd2008)	88.15
01 54 33 6950	Hourly Cost	
01 54 33.40 7200	Pick-up Truck 4x4 1 Ton	13.95
01 54 33 7200	Hourly Cost	
	Foreman Average Outside	39.60
	Labor	37.60
	Truck Driver (Heavy)	40.05
	Heavy Equip. Operator (Med)	50.60
01 54 33.20 4310	D7R Semi-U EROPS	100.65
01 54 33 4310	Hourly Cost	
01 54 33 20 0300	Cat 350	173.40
01 54 33.20 0300	Hourly Cost	
01 54 33.20 0470	Cat 420	40.95
01 54 33 0470	Hourly Cost	
02 41 13.23 2930	Demolition 18" CMP	17.45 LF
31 23 16.13 0050	Excavate 3/8 CY excavator	7.13 CY
01 54 33 4710	Front end loader, 4WD, 3.5CY., 145 HP	33.25
	Environmental Fee (Per Load)	15.00 Load
JennChem	Labor	265.00 Hr
02 41 13.60 1700	Chainlink 6' tall	3.05 LF
02 41 13.62 1000	Fence posts in concrete	16.95 EA
02 41 13.62 1200	Barbed wire	0.27 LF
02 41 13.62 0100	Chainlink gate 10-12' wide	85.00 EA
02 41 13.66 0600	Metal gate 4'-6' high 3'-4' wide	67.70 EA
02 41 13.62 0300	Metal gate 8'x15'	135.50 EA

Demolition and Removal

Shop 01	35334
Ventilation Fan 02	11128
Rock Dust Silo 03	1820
Concrete Dump Pad 04	7486
Power Center 05	21053
Power Poles 06	5858
Underground Bathhouse 07	8519
Portals 08	30059
Belt Portals 09	5003
Crusher Pad 10	4370
Mine Belt 11	1950
Silo 13	45269
Weight Shed 14	538
Bulk Oil 15	10281
Truck Pad 17	1093
General Storage 18	15550
Reclaim Hopper Belt 19	3900
Visual Disconnect 20	17
New Shop 21	13802
Shop Extension 22	4150
Shotcrete Slopes 23	1771
Fan Transformer 24	242
Chain Link Fence 25	366
Concrete Guard 26	2441
Retaining Wall 27	4634
Culverts 28	6756
Guard Rail 29	1604
Inlets 30	1322
Sed Pond Culvert 31	47
Gabion Retaining Wall 32	2914
Water Wells 33	0
Headwalls 34	5482
Overland Conveyor Supports 35	997
Reclaim Tunnel 36	2973
Feeder Boxes 37	3826
Reclaim Conveyor Supports 38	106
Crusher Platform Supports 39	1492
Feeder Conveyor Supports 40	106
Scale Pad 41	6878
New Scale House 42	2045
Proposed Bathhouse 43	0
Coal Silo 44	2827
Conveyor 45	8044
Parking Lot 46	64150
Rubber Liner 47	25350
Culvert Bedding Removal 48	143096
Off Site Dump Fee 49	159952
Drainage Control 50	67809
Water Treatment Area 51	7072
Burma Basin 52	468

Crandall Canyon Mine
C/015/032

Bond Amount

Security Fence 53

3591
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